

**DETAILED ACTION**

***Information Disclosure Statement***

1. The references listed in the information disclosure statements submitted on 9/15/06 and 7/2/07 have been considered by the examiner (see attached PTO-1449).

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors.

As to claim 1, the claim recites limitations regarding "signals" such as "the signal", "the DC signal", "the RF signal", "the power signal" in the claim. There is insufficient antecedent basis for these limitations in the claim. For examples, "the signal" as recited in line 15 of the claim refers to "the mixed signal" in line 22 while "the signal" as recited in line 12 refers to "the RF signal" in line 14.

As to claims 2-22, Applicant is advised of checking possible insufficient antecedent basis, grammatical and/or idiomatic errors.

Suggestion : the structure of the claims should be organized and correlated in such a manner as to provide sufficient antecedent basis for limitations in the claims.

In addition, it is suggested that "the power signal" be changed to "the **feedback** power signal" for **clarification** purpose because this signal is the power signal that is measured from the feedback signal obtained from the coupler 9 in Fig. 2 of the specification.

3. Claims 1-22 are rejected as failing to define the invention in the manner required by 35 U.S.C. 112, second paragraph.

The claim(s) are narrative in form and replete with indefinite and functional or operational language. The structure which goes to make up the device must be clearly and positively specified. The structure must be organized and correlated in such a manner as to present a complete operative device. The claim(s) must be in one sentence form only. Note the format of the claims in the patent(s) cited.

As to claim 1, only one period (.) is allowed at the end of the claim. Other periods in lines 1, 3 of the claim must be deleted. In addition, Capital letters in lines 9, 12, 19, 24, 27, 29 should be changed into a lower case letter.

As to claim 3, the period in line 4 of the claim must be deleted.

***Allowable Subject Matter***

4. Claims 1-22 would be allowable if rewritten or amended to overcome the objections and/or rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
5. The following is a statement of reasons for the indication of allowable subject matter:

The instant application is directed to a non-obvious feature implementation over the invention described in cited prior art of record. The non-obvious feature implementation comprises the power detecting signal separating apparatus, the signal synthesization apparatus and the power detecting signal feeder apparatus that are performing functions as specified in the independent claim 1.

### ***Conclusion***

6. This application is in condition for allowance except for the following formal matters: see objections and/or rejections as set forth above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

See the attached PTO-892.

8. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

(571) 273-8300 (for **formal** communications intended for entry)

(571)-273-7893 (for informal or **draft** communications).

Hand-delivered responses should be brought to Customer Service Window,  
Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

Any inquiry concerning this communication or communications from the examiner  
should be directed to Duc M. Nguyen whose telephone number is (571) 272-7893,  
Monday-Thursday (9:00 AM - 5:00 PM).

Or to Nay Maung (Supervisor) whose telephone number is (571) 272-7882.

/Duc M. Nguyen/

Primary Examiner, Art Unit 2618

Jan 8, 2010